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INDEX TO AMERICAN BOTANICAL LITERATURE

1909-1916

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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23 My 1916.

Alsberg, C. L., & Black, O. F. The separation of autogenous and added hydrocyanic acid from certain plant tissues and its disappearance during maceration. *Jour. Biol. Chem.* **25**: 133-140.
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Anderson, P. J., & Rankin, W. H. *Endothia* canker of chestnut. *Cornell Agr. Exp. Sta. Bull.* 347: 533-618. *pl.* 36-40+f. 77-101.
Je 1914.

Appleman, C. O. Relation of oxidases and catalase to respiration in plants. *Am. Jour. Bot.* **3**: 223-233. 26 My 1916.

Arthur, J. C. Cultures of Uredineae in 1915. *Mycologia* **8**: 125-141.
23 My 1916.

Blankinship, J. W. Conditions of plant life in the Selby smoke zone, January 1 to July 1, 1914. *U. S. Dept. Int. Mines Bull.* 98: 381-397. *pl.* 29-31+f. 4. Jl 1915.
Includes notes on fungus diseases.

Brandeggee, T. S. Species novae vel minus cognitae. *Univ. Calif. Publ. Bot.* **6**: 357-361. '6 My 1916.

Includes 11 new species in *Aristolochia* (3), *Sedum* (1), *Asclepias* (1), *Jatropha* (1), *Lycium* (1), *Galvezia* (1), *Antirrhinum* (1), *Maximowiczia* (1), and *Orobancha* (1).

- Britton, E. G.** Wild plants needing protection—10. "Liver-leaf" (*Hepatica Hepatica* (L.) Karst.). Jour. N. Y. Bot. Garden **17**: 55, 56. *pl.* 170. Ap 1916.
- Brown, W. H., & Mathews, D. M.** Philippine dipterocarp forests. Philip. Jour. Sci. **9**: (Chem. & Geol.) 413-561. *pl.* 1-13+f. 1-11. S, N 1914.
- Cardoso, A.** El rio de la Plata desde su génesis hasta la conquista. An. Mus. Nac. Hist. Nat. Buenos Aires **27**: 153-284. 1915. [Illust.] Contains a chapter on the fauna and flora of the region.
- Carpenter, C. W.** The Rio Grande lettuce disease. Phytopathology **6**: 303-305. *f.* 1. Je 1916.
- Chamberlain, C. J.** *Stangeria paradoxa*. Bot. Gaz. **61**: 353-372. *pl.* 24-26+f. 1. 15 My 1916.
- Chandler, W. H.** The killing of plant tissue by low temperature. Missouri Agr. Exp. Sta. Research Bull. **8**: 141-309. *f.* 1-3+*chart.* D 1913.
- Chandler, W. H.** Sap studies with horticultural plants. Missouri Agr. Exp. Sta. Research Bull. **14**: 491-552. *pl.* 1-13. My 1914.
- Choate, H. A.** An unpublished letter by Gronovius. Torreya **16**: 116-120. My 1916.
- Churchill, O. O., & Wright, A. H.** The grain sorghums. Oklahoma Agr. Exp. Sta. Bull. **102**: 3-70. *f.* 1-31. O 1914.
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- Detwiler, S. B.** The American elm (*Ulmus americana*). Am. Forestry **22**: 259-267. My 1916. [Illust.]
- Dunham, E. M.** How to know the mosses. i-xxv+1-287. *pl.* 1-4. 1916. [Illust.]
"A popular guide to the mosses of the northeastern United States."
- East, E. M.** Significant accuracy in recording genetic data. Am. Jour. Bot. **3**: 211-222. My 1916.
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- Emerson, R. A.** A genetic study of plant height in *Phasaeolus vulgaris*. Nebraska Agr. Exp. Sta. Research Bull. **7**: 1-73. *f.* 1-16. 15 Mr 1916.
- Farwell, O. A.** A freak of nature. Torreya **16**: 115, 116. *f.* 1. 24 My 1916.
- Flett, J. B.** The flora of the mountain slopes. [In Williams, J. H., The mountain that was "God."] 129-139. 1911.

- Gates, F. C.** Xerofotic movement in leaves. *Bot. Gaz.* **61**: 399-407. f. 1-8. 15 My 1916.
- Gilkey, H. M.** A revision of the Tuberales of California. Univ. Calif. Publ. Bot. **6**: 275-356. pl. 26-30. 31 Mr 1916.
- Graff, P. W.** Fungi. [In Merrill, E. D., An enumeration of the plants of Guam.] *Philip. Jour. Sci.* **9**: (Bot.) 37-40. Ap 1916.
Includes *Cladosporium Clemensiae* Graff.
- Harper, R. M.** Geography and vegetation of northern Florida. *Ann. Rep. Florida State Geol. Surv.* **6**: 167-451. f. 41-90. 1914.
- Harter, L. L.** *Rhizoctonia* and *Sclerotium rolfsii* on sweet potatoes. *Phytopathology* **6**: 305, 306. Je 1916.
- Hauman, L.** Dioscoréacées de l'Argentine. *An. Mus. Nac. Hist. Nat. Buenos Aires* **27**: 441-516. f. 1-33. 1915.
Includes seven new species and six new varieties.
- Hauman, L.** Les Alismatacées Argentines. *An. Mus. Nac. Hist. Nat. Buenos Aires* **27**: 307-324. pl. 8. 1915.
- Hauman, L.** Note sur *Hydromystria stonolifera* Mey. *An. Mus. Nac. Hist. Nat. Buenos Aires* **27**: 325-331. 1915.
- Hauman, L.** Note sur les Joncacées des petits genres andins. *An. Mus. Nac. Hist. Nat. Buenos Aires* **27**: 285-306. pl. 6, 7 + f. 1-4. 1915.
Includes the new genus *Andesia*.
- Hawkins, L. A.** The influence of calcium, magnesium and potassium nitrates upon the toxicity of certain heavy metals toward fungus spores. *Physiol. Researches* **1**: 57-92. f. 1-6. Au 1913.
- Heatley, M.** A study of the life history of *Trillium cernuum* L. *Bot. Gaz.* **61**: 425-429. pl. 27. 15 My 1916.
- Hollick, A.** A quaint old work on seaweeds. *Proc. Staten Island Assoc. Arts & Sci.* **5**: 85-91. My 1915.
- Hollick, A.** Some botanical and geological features of the Silver Lake basin. *Proc. Staten Island Assoc. Arts & Sci.* **5**: 60-65. pl. 2-5. 10 Ap 1916.
- Hotson, J. W.** Observations on fire blight in the Yakima Valley, Washington. *Phytopathology* **6**: 288-292. pl. 7, 8. Je 1916.
- Humphreys, E. W.** *Sphenozamites Rogersianus* Fontaine; an addition to the Rhaetic flora of San Juancito, Honduras. *Jour. N. Y. Bot. Gard.* **17**: 56-58. Ap 1916.
- Jessen, K.** The structure and biology of arctic flowering plants—II. 1. Rosaceae. *Meddelelser om Grönland* **37**: 1-126. f. 1-41. 1913.
- Jones, F. R.** *Pleosphaerulina* on alfalfa. *Phytopathology* **6**: 299, 300. Je 1916.

- Jones, W. W.** The occurrence of sulphur dioxide injury to plants in the Selby smoke zone. U. S. Dept. Int. Mines Bull. 98: 398-427. *pl.* 33-37. Jl 1915.
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- Knowlton, C. H., & Deane, W.** Reports on the flora of the Boston district—XXI. Rhodora 17: 202-203. O 1915;—XXII. Rhodora 18: 86-90. Ap 1916.
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- Lloyd, C. G.** H. C. Beardslee. Mycological Notes No. 41: 58. Mr 1916. [*Portrait.*]
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- Love, H. H., & Leighty, C. E.** Variation and correlation of oats (*Avena sativa*). Studies showing the effect of seasonal changes on biometrical constants. Cornell Agr. Exp. Sta. Mem. 3: 9-70. Au 1914.
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- Ostenfeld, C. H.** Plants collected during the first Thule Expedition to northernmost Greenland. Meddelelser om Grönland **37**: 373-381. 15 S 1915.
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Nineteen new species are described.

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- Smith, C. O.** Cottony rot of lemons in California. Phytopathology **6**: 268-278. f. 1-5. Je 1916.
- Smith, J. D.** Undescribed plants from Guatemala and other Central American republics—XXXIX. Bot. Gaz. **61**: 373-387. 15 My 1916.
Twenty new species are described.
- Spegazzini, C.** Segunda contribución al conocimiento de las Laboulbeniales Italianas. An. Mus. Nac. Hist. Nat. Buenos Aires **27**: 37-74. f. 1-38. 1915.
Includes the new genera *Parahydraeomyces* and *Thripomyces* and 31 new species in various genera.
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Colus Schellenbergiae sp. nov.
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A North American plant.